

ENTERED

\ DATE: 03/07/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/8/97,645 TIME: 10:34:56

```
Input Set : A:\PTO.VSK.txt
                    Output Set: N:\CRF3\03072002\1897645.raw
     3 <110> APPLICANT: Briggs, Stephen L
             Chirgadze, Nicholas
             McAllister, Kelly A
             Zhao, Genshi
     8 <120> TITLE OF INVENTION: Use of Streptococcus pneumoniae Acyl Carrier Pro
Synthase Crystal
             Structure in Diagnostics, Antimicrobial Drug Design, and Biosensors
    11 <130> FILE REFERENCE: X13948
    13 <140> CURRENT APPLICATION NUMBER: 09/897,645
    14 <141> CURRENT FILING DATE: 2001-06-29
    16 <150> PRIOR APPLICATION NUMBER: 60/215,577
    17 <151> PRIOR FILING DATE: 2000-06-30
    19 <160> NUMBER OF SEQ ID NOS: 6
    21 <170> SOFTWARE: PatentIn version 3.1
    23 <210> SEQ ID NO: 1
    24 <211> LENGTH: 122
    25 <212> TYPE: PRT
    26 <213> ORGANISM: Streptococcus pneumoniae
    28 <220> FEATURE:
    29 <221> NAME/KEY: mat_peptide
    30 <222> LOCATION: (1)..()
    31 <223> OTHER INFORMATION:
    34 <400> SEQUENCE: 1
    36 Met Arg Met Ile Val Gly His Gly Ile Asp Ile Glu Glu Leu Ala Ser
    40 Ile Glu Ser Ala Val Thr Arg His Glu Gly Phe Ala Lys Arg Val Leu
```

41 20 25

44 Thr Ala Gln Glu Met Glu Arg Phe Thr Ser Leu Lys Gly Arg Arg Gln

45 35

48 Ile Glu Tyr Leu Ala Gly Arg Trp Ser Ala Lys Glu Ala Phe Ser Lys

50

52 Ala Met Gly Thr Gly Ile Ser Lys Leu Gly Phe Gln Asp Leu Glu Val 53 65 70 75

56 Leu Asn Asn Glu Arg Gly Ala Pro Tyr Phe Ser Gln Ala Pro Phe Ser

57

60 Gly Lys Ile Trp Leu Ser Ile Ser His Thr Asp Gln Phe Val Thr Ala 61 100 105 110

64 Ser Val Ile Leu Glu Glu Asn His Glu Ser

115 120

68 <210> SEQ ID NO: 2

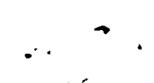
69 <211> LENGTH: 34

70 <212> TYPE: DNA

71 <213> ORGANISM: Artificial Sequence

73 <220> FEATURE:





RAW .SEQUENCE LISTING DATE: 03/07/2002 PATENT APPLICATION: US/09/897,645 TIME: 10:34:56

Input Set : A:\PTO.VSK.txt

119 <213> ORGANISM: Streptococcus pneumoniae

123 Met Ile Val Gly His Gly Ile Asp Ile

Output Set: N:\CRF3\03072002\1897645.raw

74 <223> OTHER INFORMATION: PCR Primer 76 <400> SEQUENCE: 2 77 cgcggatccc atatgatagt tggacacgga attg 34 80 <210> SEQ ID NO: 3 81 <211> LENGTH: 31 82 <212> TYPE: DNA 83 <213> ORGANISM: Artificial Sequence 85 <220> FEATURE: 86 <223> OTHER INFORMATION: PCR Primer 88 <400> SEQUENCE: 3 89 cgcggatccc tagctttcat gaatttcctc c 31 92 <210> SEQ ID NO: 4 93 <211> LENGTH: 43 94 <212> TYPE: DNA 95 <213> ORGANISM: Artificial Sequence 97 <220> FEATURE: 98 <223> OTHER INFORMATION: PCR Primer 100 <400> SEQUENCE: 4 101 cgcggatccc atatgacaga aaaagaaatt tttgaccgta ttg 43 104 <210> SEQ ID NO: 5 105 <211> LENGTH: 45 106 <212> TYPE: DNA 107 <213> ORGANISM: Artificial Sequence 109 <220> FEATURE: 110 <223> OTHER INFORMATION: PCR Primer 112 <400> SEQUENCE: 5 113 cgcggatccg aattcctatt ttccttgaat gattttaacc acatc 45 116 <210> SEQ ID NO: 6 117 <211> LENGTH: 9 118 <212> TYPE: PRT

121 <400> SEOUENCE: 6

124 1

VERIFICATION SUMMARY PATENT APPLICATION: US/09/897,645

DATE: 03/07/2002

TIME: 10:34:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03072002\1897645.raw